

SLIDE RULES · DRAFTING INSTRUMENTS

LIST RZ 55E



ARISTO

ARISTO SLIDE RULES

ARISTO SLIDE RULES

are made from ARISTOPAL, a new super quality plastic material. All ARISTO Slide Rules are engine divided and have these distinctive features in common:

- Exceptionally clear and well-ordered arrangement of scales
- Resistance to severities of climate, water, atmospheric moisture, acids and alkalis
- Proof against warping, shrinkage and expansion, thus insuring a silky, touch-responding movement of the slide
- Neat, sharply defined and non-fading graduations of lifelong precision
- Non-inflammable
- Highly elastic, hence virtually unbreakable
- No brittleness or liability to chipping, the disadvantage of ordinary moulded plastics

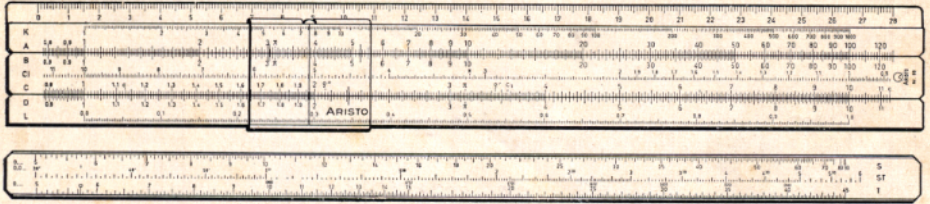
CODE OF SCALES

The scales of all ARISTO Slide Rules are labelled by distinguishing letters and mathematical symbols. The letters are used for brevity in the descriptive text of this catalogue and their meaning is explained in the following list.

Designation by letters	Designation by mathematical symbols	
A ✓	x^2	Scale of Squares on body ✓ ✓
B	x_z^2	Scale of Squares on slide ✓ ✓
BI	$\frac{1}{x^2}$	Inverted (Reciprocal) Scale of Squares on slide
C ✓	x_z	Fundamental Scale on slide ✓
CF ✓	$(\pi x)_z$	Folded Scale on slide
CI ✓	$\frac{1}{x}$	Inverted (Reciprocal) Scale of C ✓
CIF ✓	$\frac{1}{\pi x}$	Inverted (Reciprocal) Folded Scale
D ✓	x	Fundamental Scale on body ✓
DF ✓	πx	Folded Scale on body
DI	$\frac{1}{x}$	Inverted (Reciprocal) Scale of D
K ✓	x^3	Scale of Cubes ✓
L	$\lg x$	Mantissa Scale ✓
LL0 ✓	$e^{0.001x}$	Log Log Scale ranging from 1.001 to 1.011
LL1 ✓	$e^{0.01x}$	Log Log Scale ranging from 1.01 to 1.11
LL2 ✓	$e^{0.1x}$	Log Log Scale ranging from 1.1 to 3.0
LL3 ✓	e^x	Log Log Scale ranging from 2.5 to 100.000 ✓
LL00	$e^{-0.001x}$	Log Log Scale ranging from .999 to .989
LL01	$e^{-0.01x}$	Log Log Scale ranging from .99 to .9
LL02	$e^{-0.1x}$	Log Log Scale ranging from .91 to .35
LL03	e^{-x}	Log Log Scale ranging from .4 to .00001
P ✓	$\sqrt{1-x^2}$	Pythagorean Scale ✓
S ✓	$\star \sin (\star \cos)$	Scale of Sines and Cosines ✓
Sh1	$\star \sinh$	Scale of Hyperbolic Sines ranging from .1 to .9
Sh2	$\star \sinh$	Scale of Hyperbolic Sines ranging from .9 to 3.0
ST	$\star \arc$	Scale of Small Angles in Radians ✓
ST ✓	$\star \sin \star \tg$	Scale of Small Angles in Degrees
T ✓	$\star \tg (\star \ctg)$	Scale of Tangents and Cotangents
Th	$\star \tgh$	Scale of Hyperbolic Tangents ranging from .1 to 3.0

ARISTO SLIDE RULES

ARISTO RIETZ The Preferred Slide Rule in General Engineering Practice

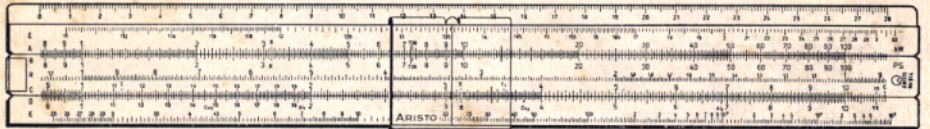


Scales: Front: K, A, B, CI, C, D, L — Back of slide: S, ST, T

ARISTO 89	Length 5 in. (15 cm)	Weight 40 g	Spare Cursor L 89	Magn. Cursor LM 89	461-
99	Length 10 in. (30 cm)	Weight 150 g	Spare Cursor L 99	Magn. Cursor LM 99 or LZ 99	701/9
109	Length 20 in. (55 cm)	Weight 300 g	Spare Cursor L 109	Magn. Cursor LM 109	197/6
9/150	Length 6 ft. (180 cm)	Weight 5.6 kg	Demonstration Model		225/-

ARISTO 89, 99 and 109 are also available with trigonometric scales graduated to 400°

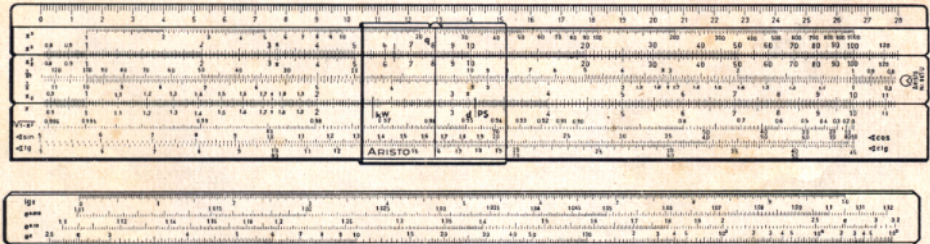
ARISTO ELECTRO A Special Slide Rule for Electrical Engineers



Scales: Front: LL 2, A, B, CI, C, D, LL 3, K — Back of slide: S, L, T
Further one scale of voltage drop and one scale each of efficiencies for DC, AC and three phase current.

ARISTO 814	Length 5 in. (15 cm)	Weight 40 g	Spare Cursor L 814	Magn. Cursor LM 814	49/6
914	Length 10 in. (30 cm)	Weight 150 g	Spare Cursor L 914	Magn. Cursor LM 914 or LZ 914	76/6

ARISTO DARMSTADT A Universal Slide Rule for Natural and Engineering Sciences. Improved model with reciprocal scale of squares BI.



Scales: Front: K, A, B, BI, CI, C, D, P, S, T — Back of slide: L, LL 1, LL 2, LL 3

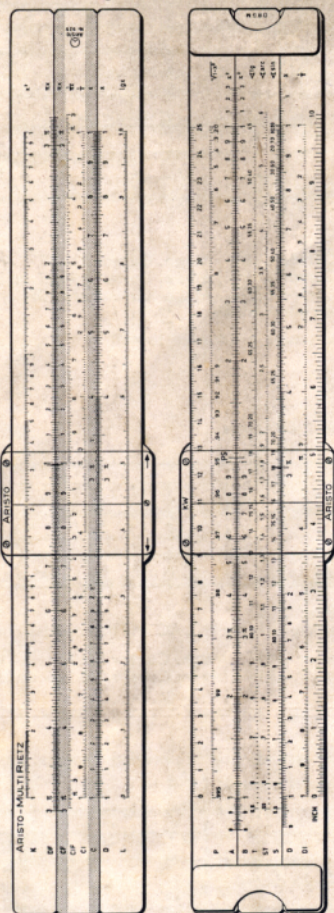
ARISTO 867U	Length 5 in. (15 cm)	Weight 40 g	Spare Cursor L 867U	Magn. Cursor LM 867U	53/0
967U	Length 10 in. (30 cm)	Weight 180 g	Spare Cursor L 967U	Magn. Cursor LM 967U	85/-
1067U	Length 20 in. (55 cm)	Weight 420 g	Spare Cursor L 1067U	Magn. Cursor LM 1067U	245/-
67/150	Length 6 ft. (180 cm)	Weight 6.8 kg	Demonstration Model		317/-

ARISTO 867U is also available with trigonometric scales graduated to 400°

ARISTO DOUBLE FACE SLIDE RULES

ARISTO MULTIRIETZ

With decimal trigonometric scales



The Slide Rule for Civil and Mechanical Engineers
This ARISTO Double Face Slide Rule has all the scales of the well-known "Rietz" Pattern, supplemented by the scales CF, DF and CIF.

The need for the troublesome end-for-end re-setting of the slide in multiplication and division is eliminated by this standard scales arrangement of all ARISTO Double Face Slide Rules. All the required values in the compilation of tables are available with only one setting.

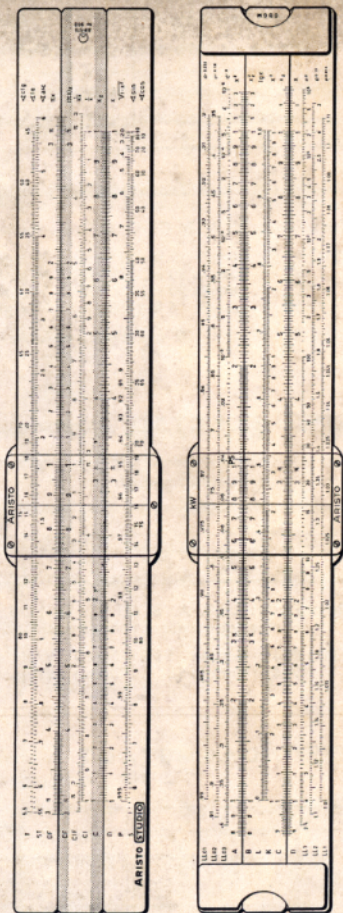
Scales:

Front: K, DF, CF, CIF, CI, C, D, L
Back: mm, P, A, B, T, ST, S, D, DI, in.

ARISTO	Length	Weight	Spare Cursor	Magn. Cursor
829	5 in. (15 cm)	90 g	L 829	LM 829
929	10 in. (30 cm)	230 g	L 929	LM 929 LA 929

ARISTO STUDIO

With decimal trigonometric and Log Log scales



An up-to-date Log Log Slide Rule for Applied Physics and Mathematics, Physical Chemistry, Electrical Engineering, Thermo-Dynamics, High Frequency and Telecommunication Technics

The distinctive feature of the ARISTO Studio can be seen in the reciprocity of its two sets of three Log Log Scales each having the range of 1.01 to 100,000 and .99 to .00001. This allows the direct reading of powers to the base < 1 as well as of natural logarithms < 1.

Scales:

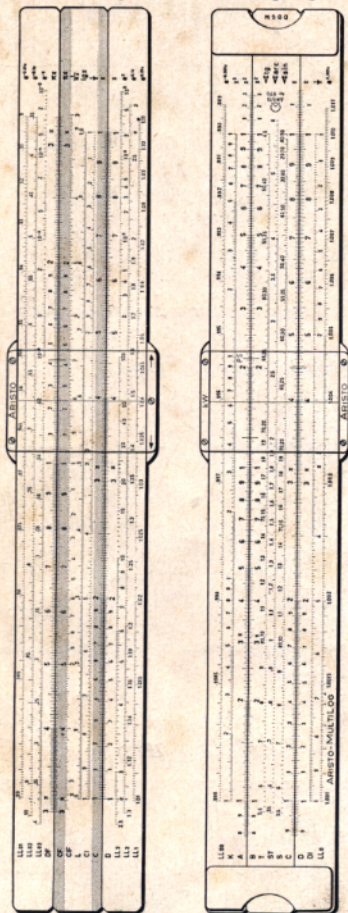
Front: T, ST, DF, CF, CIF, CI, C, D, P, S
Back: LL 01, LL 02, LL 03, A, B, L, K, C, D, LL 3, LL 2, LL 1

ARISTO	Length	Weight	Spare Cursor	Magn. Cursor
868	5 in. (15 cm)	90 g	L 868	LM 868
968	10 in. (30 cm)	230 g	L 968	LM 968 LA 968
68/150	6 ft. (180 cm)	13 kg	Demonstr. model	

ARISTO DOUBLE FACE SLIDE RULES

ARISTO MULTILOG

With decimal trigonometric and Log Log scales



The Log Log Slide Rule for the most exacting demands and a truly universal calculating instrument

The ARISTO MultiLog is distinguished by its twin set of Log Log scales in four sections each running from 1.001 to 100,000 and .999 to .00001. It is thus enlarged by one scale length each compared with the ARISTO Studio.

The trigonometric scales are engraved on the slide by which arrangement certain problems in multiplication and division involving the value of trigonometric functions are accomplished with greater ease.

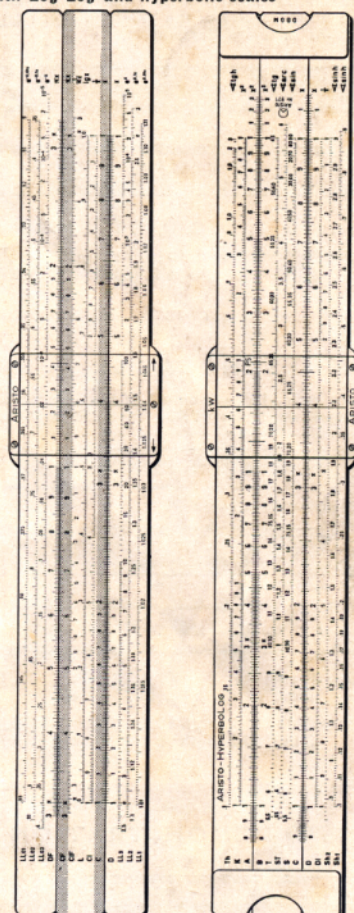
Scales:

Front: LL 01, LL 02, LL 03, DF, CF, CIF, L, CI, C, D, LL 3, LL 2, LL 1
Back: LL 00, K, A, B, T, ST, S, C, D, DI, LO

ARISTO	Length	Weight	Spare	Magn.
970	10 in. (30 cm)	250 g	L 970	Cursor { LM 970 LA 970

ARISTO HYPERBOLOG

With Log Log and hyperbolic scales



A Log Log Slide Rule with scales of the hyperbolic functions

The ARISTO Hyperbolog is designed as a universal slide rule along the lines of the ARISTO MultiLog, but contains only the same range of Log Log scales as the ARISTO Studio.

The space so saved has been utilized for scales of the hyperbolic functions, namely Sh 1, Sh 2 and Th ranging from .1 to 3.0.

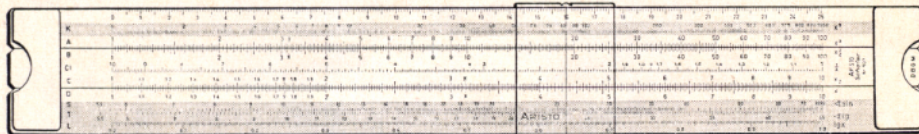
Scales:

Front: LL01, LL02, LL03, DF, CF, CIF, L, CI, C, D, LL3, LL2, LL1
Back: Th, K, A, B, T, ST, S, C, D, DI, Sh 2, Sh 1

ARISTO	Length	Weight	Spare	Magn.
971	10 in. (30 cm)	250 g	L 971	Cursor { LM 971 LA 971

ARISTO SCHOLAR For High Schools and Technical Colleges

A valuable, modern, and truly all-round slide rule of excellent quality for the beginner and student containing all the scales of the "Rietz" Pattern on one side. This slide rule is extensively used in educational institutions of every description.

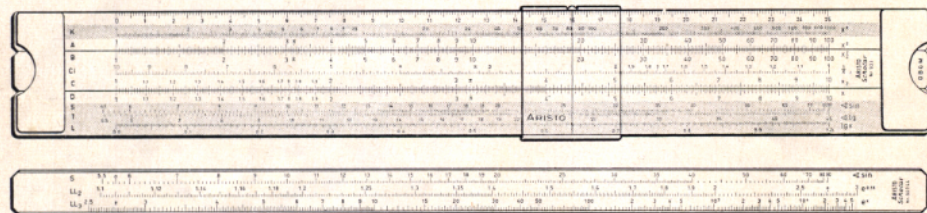


Scales: K, A, B, C, D, S, T, L, Millimetre Scale

ARISTO 0903 Length 10 in. (30 cm) Weight 120 g Spare Cursor L 0903 Magn. Cursor LM 0903
3/150 Length 6 ft. (180 cm) Weight 6.5 kg Demonstration Model

ARISTO SCHOLAR LL For High Schools and Technical Colleges

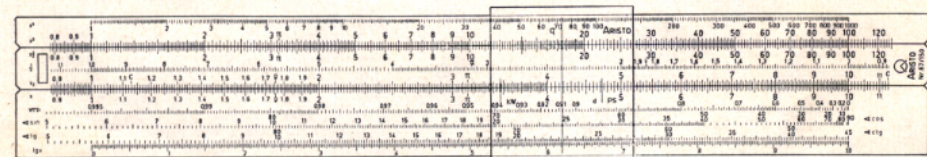
A more refined development of the Scholar Standard with an additional Sine Scale and a Log Log Scale ranging from 1.1 to 50,000 on back of slide.



Scales: Front: K, A, B, C, D, S, T, L, Millimetre Scale
Back of slide: S, LL 2, LL 3

ARISTO 0903 LL Length 10 in. (30 cm) Weight 120 g Spare Cursor L 0903 LL Magn. Cursor LM0903 LL
3 LL/150 Length 6 ft. (180 cm) Weight 6.5 kg Demonstration Model

ARISTO DEMONSTRATION SLIDE RULES

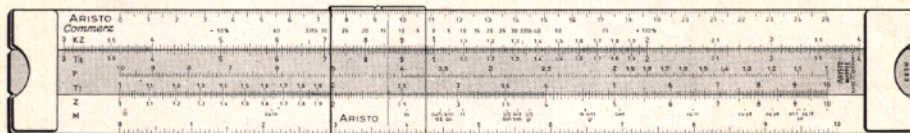


3/150	ARISTO Scholar	Length 6 ft. (180 cm)	Weight 6.5 kg	See page 26
3 LL/150	ARISTO Scholar LL	Length 6 ft. (180 cm)	Weight 6.5 kg	See page 26
5/150	ARISTO Commerce	Length 6 ft. (180 cm)	Weight 5.6 kg	See page 27
9/150	ARISTO Rietz	Length 6 ft. (180 cm)	Weight 5.6 kg	See page 23
67/150	ARISTO Darmstadt	Length 6 ft. (180 cm)	Weight 6.8 kg	See page 23
68/150	ARISTO Studio	Length 6 ft. (180 cm)	Weight 13.0 kg	See page 24

Please ask for our special pamphlet "ARISTO Student's Slide Rules"

ARISTO COMMERCIAL SLIDE RULES

ARISTO COMMERCE *The Slide Rule for Business Schools and Colleges*



Scales: Millimetre Scale, Scales folded by the value 360 with additional superscriptions of percentages, Reciprocal Scale (for percentages), Fundamental Scales, Marks for converting British/US weights and measurements to metric equivalents and vice versa, Inch Scale.

ARISTO 0905 Length 10 in. (30 cm) Weight 120 g Spare Cursor L 0905 Magn. Cursor LM 0905
5/150 Length 6 ft. (180 cm) Weight 5.6 kg Demonstration Model

41/9
273/3

ARISTO MERCHANT *The Slide Rule for the up-to-date Businessman*

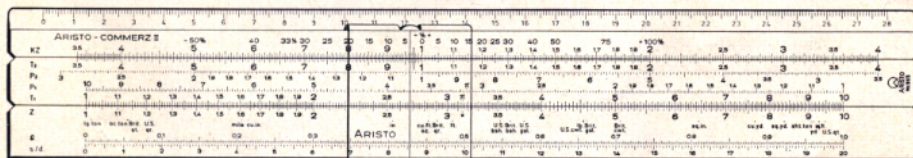


Scales: Scales folded by the value 360 with additional superscriptions of percentages, Reciprocal Scale, Fundamental Scales, Scale of Squares, Scales for converting s./d. to decimals of £ and vice versa. All scales are conveniently arranged for special purposes of business, banking and insurance.

ARISTO 845 Length 5 in. (15 cm) Weight 40 g Spare Cursor L 845 Magn. Cursor LM 845
945 Length 10 in. (30 cm) Weight 150 g Spare Cursor L 945 Magn. Cursor { LM 945
1045 Length 20 in. (55 cm) Weight 300 g Spare Cursor L 1045 Magn. Cursor { LZ 945
LM 1045
LZ 1045

48/6
75/6
197/6

ARISTO COMMERCE II *The New All-round Slide Rule for Business Purposes*



Scales: Front: The usual scales for multiplication, division, rule-of-three problems as well as for calculating percentages, interest and proportions without re-setting the slide. Conversions from US/British units to metric equivalents and vice-versa are simplified by means of distinctive special marks. A double scale reduces amounts in shillings and pence to decimal fractions of £ and vice-versa. Back: Compound interest scale on rear of slide. Reversible double-faced tablet inset containing sample settings and precise metric equivalents of US/British measurements and weights.

ARISTO 965 Length 10 in. (30 cm) Weight 180 g Spare Cursor L 965 Magn. Cursor LM 965 or LZ 965

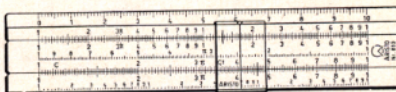
82/-

ARISTO POCKET SLIDE RULES

810 ARISTO PUCK

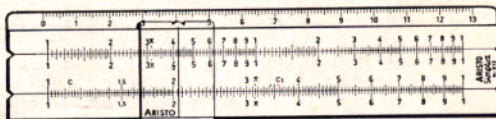
Scales: A, B, C, D, K, S, L, T
Length 4 in. (12 cm) Weight 25g
Cursor L 810 In Leather Case

811 Same as 810, but without scales
S, L, T on back of slide



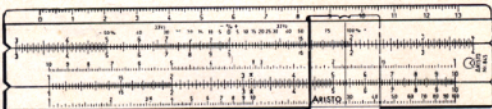
812 ARISTO SIMPLEX

Scales: A, B, C, D, S, L, T
Length 5 in. (15 cm) Weight 40g
Spare Cursor L 812
Magnifying Cursor LM 812
In Leather Case



845 ARISTO MERCHANT

Length 5 in. (15 cm)
In Leather Case
See page 27



814 ARISTO ELECTRO

Length 5 in. (15 cm)
In Leather Case
See Page 23



89 ARISTO RIETZ

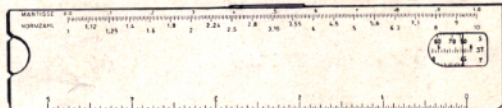
Length 5 in. (15 cm)
In Leather Case
See page 23



89 NZ ARISTO RIETZ

with Scale for the
Standardization System

Same as the ARISTO 89 model
but with extra scale for the series
of standards R 5, R 10 and R 20
on rear face.
Length 5 in. (15 cm)
In Leather Case

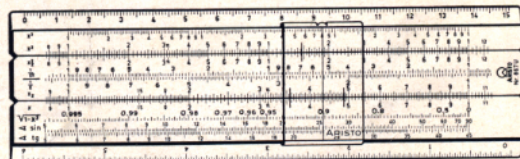


Back of ARISTO Rietz 89 NZ

867 U ARISTO DARMSTADT

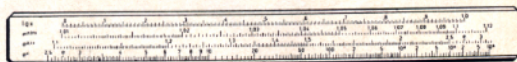
With plexiglass base making
the back of slide visible
in its whole extent

Length 5 in. (15 cm)
In Leather Case
See page 23



807 ARISTO FLEX

An extra-flat slide rule for men's
pocketbooks. Made of white
ARISTOPAL. Same scales as
867 U but with the scales on
reverse side of slide omitted.
Spare Cursor L 807 Weight 40 g
In Leather Case



Back of Slide of ARISTO Darmstadt

ARISTO POCKET SLIDE RULES

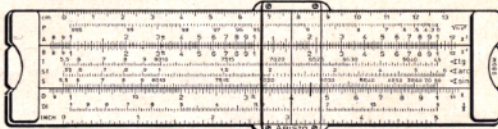
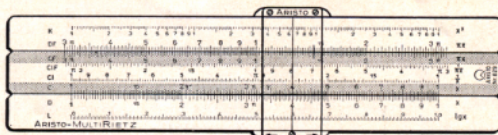
37/6 829 ARISTO MULTIRIETZ

Double Face Slide Rule
for the Vest Pocket

Length 5 in. (15 cm)
In Leather Case

Spare Cursor L 829
Magnifying Cursor LM 829

See Page 24



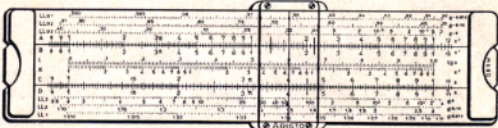
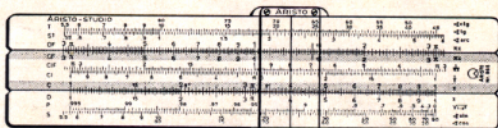
61/6 868 ARISTO STUDIO

Double Face Slide Rule
for the Vest Pocket

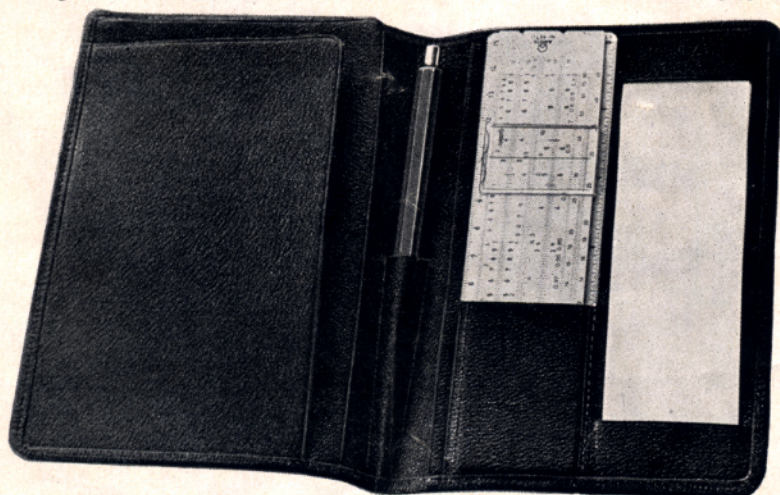
Length 5 in. (15 cm)
In Leather Case

Spare Cursor L 868
Magnifying Cursor LM 868

See page 24



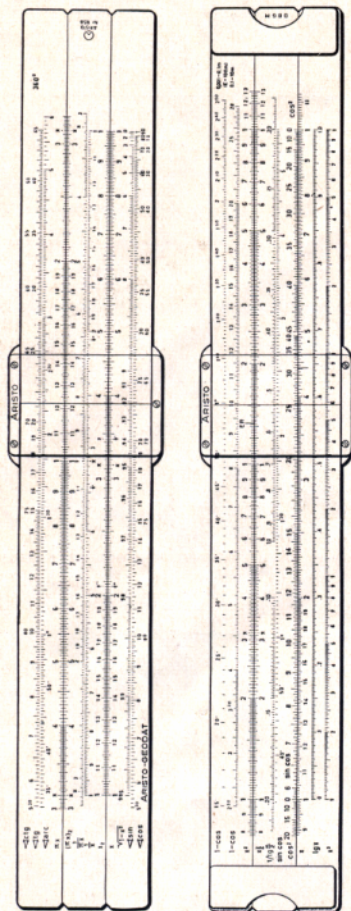
ARISTO SLIDE RULES FITTED IN POCKETBOOK



- 807 BR ARISTO Flex
- 812 BR ARISTO Simplex
- 814 BR ARISTO Electro
- 845 BR ARISTO Merchant
- 867 BR ARISTO Darmstadt
- 89 BR ARISTO Rietz

fitted in pocketbook of genuine Morocco with two
letter pockets, exchangeable note pad, and pencil.

ARISTO SURVEYOR



This ARISTO Double Face Slide Rule for Surveying contains on its front all the scales of a modern technical slide rule as well as folded scales and trigonometric scales characteristic of the ARISTO Studio.

The scales on back facilitate computation occurring in tachymetry with vertical or horizontal rod. For measurements of right-angled triangles checking is easily done accurate to the centimetre.

Scales:

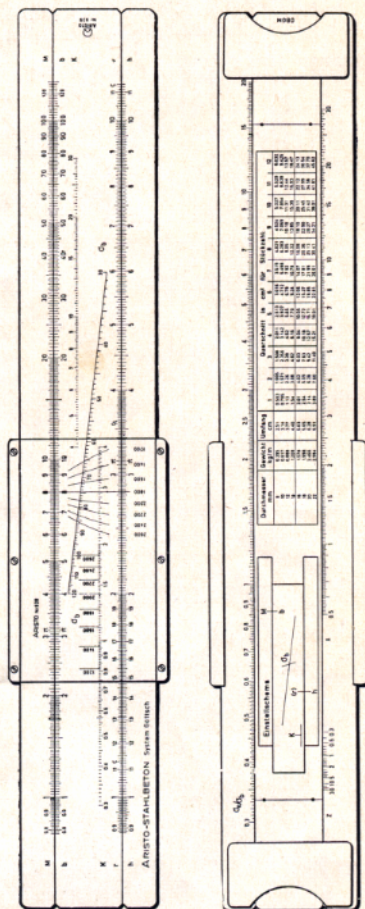
Front: T, ST, DF, CF, CIF, CI, C, D, P, S

Back: $1 - \cos$, A, B, $\frac{1}{\tan \alpha/2}$, \sin , \cos , \cos^2 , D, L, K

ARISTO Length Weight Spare Magn.
958/360° 10 in. (30 cm) 230 g L 958 { LM 958
958/400° { LA 958

ARISTO FERRO-CONCRETE

Goettsch Pattern



An ARISTO Double Face Slide Rule specially designed for the dimensioning problems occurring in Reinforced Concrete Construction.

No change of procedure, just the familiar steps, but done the swift, mechanical slide rule way for all unit stresses from 1200 to 2600 kg/cm² in reinforcing rods and from 30 to 120 kg/cm² in concrete. Also for computations of the values x and z.

Scales:

Front: M, b, r, h (corresponding to A, B, C, D), k (auxiliary value), σ_b

Back: σ/σ_b , z, x, Working Schedule and Reinforcement Chart

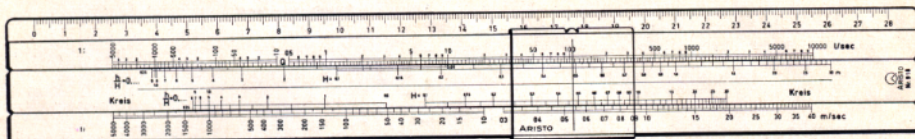
ARISTO Length Weight Spare Magn.
939 10 in. (30 cm) 230 g L 939 { LM 939
LA 939

ARISTO SLIDE RULES FOR SPECIAL PURPOSES



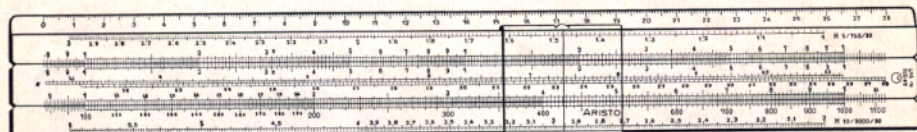
WEIGHT OF MATERIALS SLIDE RULE Stockhusen Pattern

ARISTO 916 Length 10 in. (30 cm) Weight 150 g Spare Cursor L 916



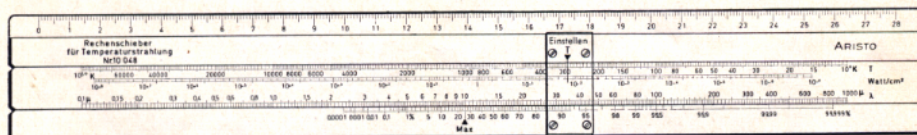
HYDRAULIC SLIDE RULE Vikari Pattern

ARISTO 918 Length 10 in. (30 cm) Weight 150 g Spare Cursor L 918 Magnifying Cursor LM 918



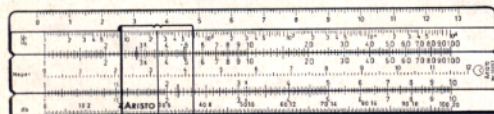
MATERIALS TESTING SLIDE RULE

ARISTO 947 Length 10 in. (30 cm) Weight 150 g Spare Cursor L 947 Magnifying Cursor LM 947



TEMPERATURE RADIATION SLIDE RULE Czerny Pattern

ARISTO 10048 Length 10 in. (30 cm) Weight 150 g



DAMPING SLIDE RULE

For Telecommunication Technics

ARISTO 10052

Length 5 in. (15 cm)

Weight 40 g

Spare Cursor L 10052

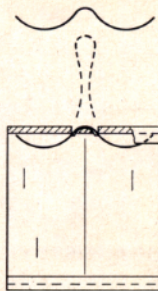
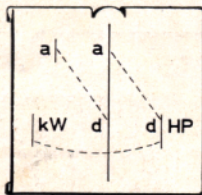
Magnifying Cursor LM 10052

ARISTO CURSORS

ARISTO Slide Rules are equipped with frameless cursors of crystal-clear ARISTOPAL affording unobstructed visibility of the entire scale system.

ARISTO CURSORS WITH GAUGE LINES

The cursors of all ARISTO Slide Rules for engineers contain extra hairlines for finding the circle area (a) corresponding to the known diameter (s) and for conversions $PS \leftrightarrow kW$, or vice-versa. On request these rules can also be fitted with cursors conforming with English units ($HP \leftrightarrow kW$) without extra cost. (See illustration on left.) When so desired, add the letter E to the respective catalog number, for example: 99 E. When ordering cursor replacements or magnifying cursors for English units, add the letter E to the catalog number, as follows: LM 99 E.

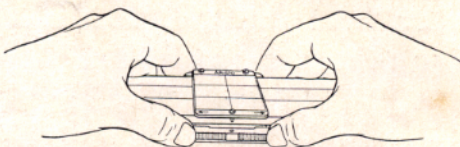


REPAIR OUTFIT

Broken cursor springs can be easily replaced (see illustration on right). A repair outfit containing spare springs and bonding for ARISTOPAL will be sent free of charge on request.

ARISTO DOUBLE FACE CURSORS

The cursor hairlines of all ARISTO Double Face Slide Rules are in precise and permanent adjustment to the graduations of the respective sides so that the user may change freely from one side to the other in the course of a problem. The cursors may be detached for cleaning by opening a snap fastener and the adjustment will be undisturbed after re-attachment.



Opening the Cursors L 829, L 868, L 929, L 958, L 968, L 970 and L 971.

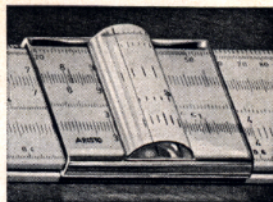
DESIGNATIONS USED IN ORDERING CURSORS

The letters L, LM, LZ and LA prefixed to the catalog numbers of slide rules indicate the type of cursor or magnifier to be specified when ordering spares; for example:

- L 99 Spare Cursor for ARISTO Rietz 99
- LM 967U Magnifying Cursor LM for ARISTO Darmstadt 967U
- LA 968 Attachable Magnifier LA for ARISTO Studio 968

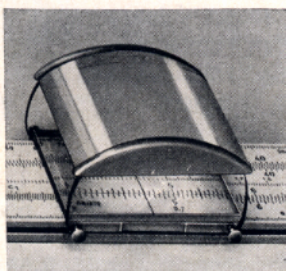
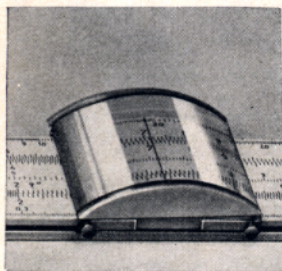
ARISTO MAGNIFYING CURSORS

With bonded-on semi-cylindrical lens, magnifying about two diameters. Available for all ARISTO Slide Rules except Nos. 807 and 939.



ARISTO IMPROVED MAGNIFYING CURSORS LA AND LZ

The new semi-cylindrical lens affords an unobstructed view of the entire cursor area, hence perfect legibility of the graduation. Magnifying Power approx. two diameters.



COLLAPSIBLE MAGNIFYING CURSOR LZ

The lens is non-magnifying when lowered flush with the cursor (see figure on left). When raised (as shown in figure on right) the magnifying power is two diameters. Observations are free from distortion irrespective of the angle of sight.



ATTACHABLE MAGNIFIER LA

It fits all ARISTO Double Face Slide Rules and can be used for both sides of the double face cursor.

ARISTO SLIDE RULES CASES

All ARISTO Pocket Slide Rules (4 and 5 in.) are supplied in leather cases Type 0.

All other ARISTO Slide Rules (10 and 20 in.) are supplied in end-opening, canvas-covered cases Type S.

Slide Rules of the 10 in. type without magnifying cursor can be supplied in leather cases type 0 or G, resp., or velvet-lined wooden boxes Type H at extra charge.

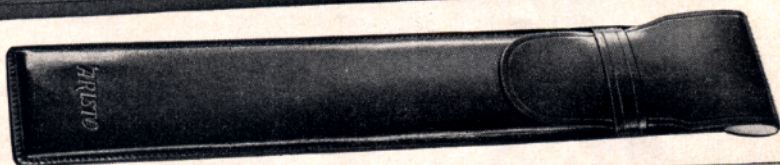


Leather Case
Type 0



Canvas-
covered
Case
Type S

Leather
Case
Type G



Wooden
Box
Type H



When ordering slide rules please specify the type of case desired if the same is other than the standard type normally supplied with the particular model of slide rule. For details of catalog numbers please refer to our price list.

602

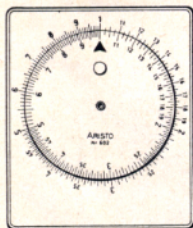
ARISTO CIRCULAR COMPUTER

An excellent advertising gift with your own text.

White ARISTOPAL, with case

2 3/8 in. (60 mm) dia.

Weight 60 g.



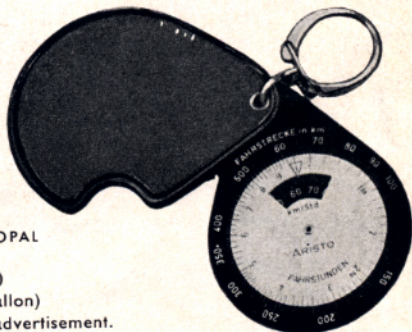
ARISTO Motorist's Computer

For calculating of fuel consumption, time and speed of motor vehicles. White and black ARISTOPAL
With leather case. 2 in. dia. Weight 20 g

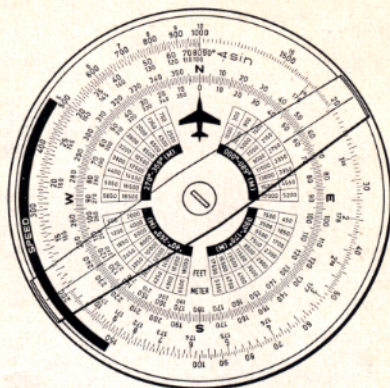
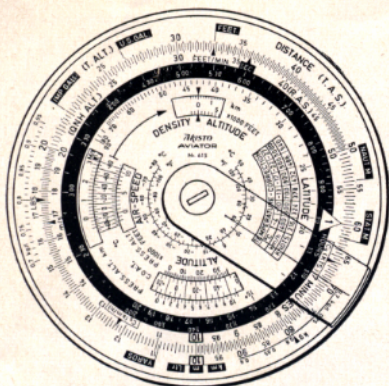
670 Scales in metric measure (km/h and litres/100 km)

671 Scales in English measure (mph and miles per gallon)

With your own text an appreciated gift and lasting advertisement.



ARISTO CIRCULAR COMPUTERS

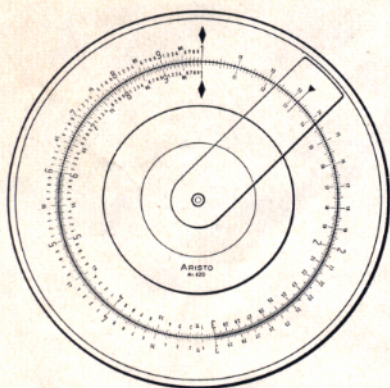


138/

615

ARISTO AVIATOR

Double-faced circular computer for air navigation.
6 in. (140 mm) dia. In leather case with zip. Weight 170 g.



620

ARISTO CIRCULAR COMPUTER

37/6

For multiplication, division, calculating percentages and proportions.

White ARISTOPAL, 3 1/2 in. (90 mm) dia.

In leather case with zip

Weight 60 g

42/6

621

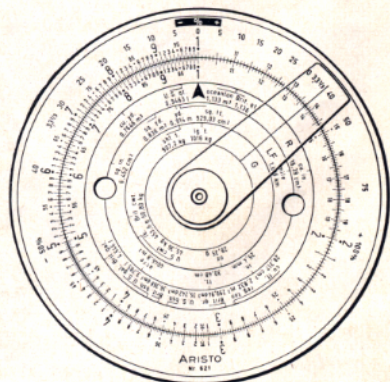
ARISTO CIRCULAR COMPUTER for Businessmen

For multiplication, division, calculating percentages and proportions. With additional superscriptions of percentages and special marks for converting British/US weights and measurements to metric equivalents and vice versa.

White ARISTOPAL, 3 1/2 in. (90 mm) dia.

In leather case with zip

Weight 60 g



ARISTO SCALES

ARISTO SCALE

Two bevels, with handle, white ARISTOPAL

Length 12 in. (30 cm)

Weight 45 g

Length 20 in. (50 cm)

Weight 125 g



For every purpose

ARISTO	Length	Graduation
1304/1	12 in. (30 cm)	1 mm $\frac{1}{2}$ mm
1304/2	12 in. (30 cm)	1 mm 1 mm
1304/3	12 in. (30 cm)	1 mm $\frac{1}{32}$ in.

ARISTO	Length	Graduation
1303	16 in. (40 cm)	1 mm 1 mm
1305	20 in. (50 cm)	1 mm $\frac{1}{2}$ mm

Engineer's Scale

1306/1	12 in. (30 cm)	1 : 2.5 1 : 10 metres
1306/2	12 in. (30 cm)	1 : 5 1 : 20 metres
1306/3	12 in. (30 cm)	1 : 2.5 1 : 5 metres
1307/1	20 in. (50 cm)	1 : 2.5 1 : 10 metres
1307/2	20 in. (50 cm)	1 : 5 1 : 20 metres

Surveyor's Scale

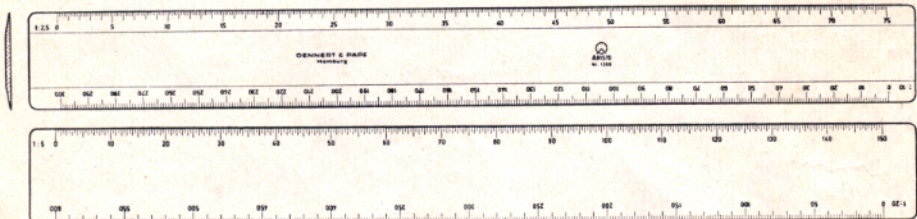
1309/1	12 in. (30 cm)	1 : 500 1 : 1000 metres
1309/2	12 in. (30 cm)	1 : 1000 1 : 2000 metres
1309/3	12 in. (30 cm)	1 : 1250 1 : 2500 metres
1309/4	12 in. (30 cm)	1 : 750 1 : 1500 metres
1309/5	12 in. (30 cm)	1 : 2500 1 : 5000 metres
1309/6	12 in. (30 cm)	1 : 625 1 : 1250 metres

ARISTO SCALE

Two bevels, without handle, white ARISTOPAL

Length 12 in. (30 cm)

Weight 45 g

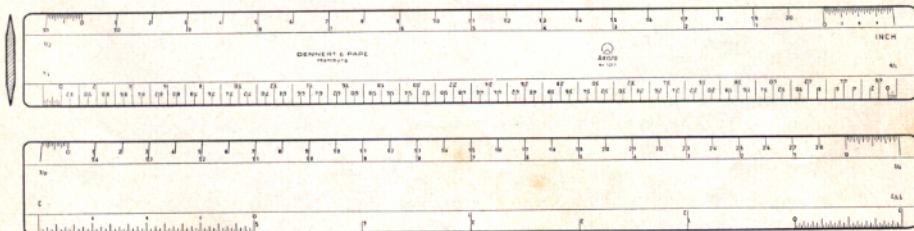


ARISTO 1308/1 1 : 2.5 1 : 5 1 : 10 1 : 20 metres

ARISTO 1308/2 1 : 1000 1 : 2000 1 : 2500 1 : 5000 metres

ARISTO SCALE

Four bevels, graduations in inches, white ARISTOPAL

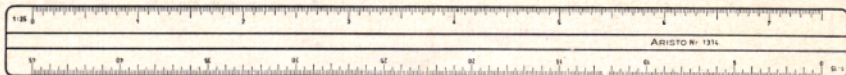


ARISTO 1310A	Length 6 in. (15 cm)	Weight 15 g	} Open divided $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1, $1\frac{1}{2}$, 3 in. to the foot
1311A	Length 12 in. (30 cm)	Weight 45 g	
1312A	Length 20 in. (50 cm)	Weight 120 g	
ARISTO 1310B	Length 6 in. (15 cm)	Weight 15 g	} Fully divided 10, 30, 40 and 50 parts to the inch
1311B	Length 12 in. (30 cm)	Weight 45 g	
ARISTO 1310C	Length 6 in. (15 cm)	Weight 15 g	} $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, 1 in. to the foot, 1 : 500, 1 : 2500
1311C	Length 12 in. (30 cm)	Weight 45 g	

ARISTO 1310 and 1311 can be supplied in leather case on demand.

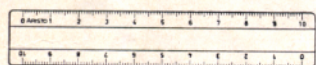
ARISTO SCALES

ARISTO TRIANGULAR SCALE "Star" shape prevents defacing of graduations. Three longitudinal grooves are finished in distinctive colours for instant location of the six scales. White ARISTOPAL, weight 120 g. Supplied in sturdy cardboard case.

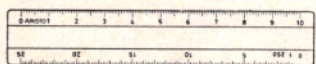


ARISTO 1314/1	Length 12 in. (30 cm)	1 : 10	1 : 15	1 : 20	1 : 25	1 : 33 1/3	1 : 50 metres
1314/2	Length 12 in. (30 cm)	1 : 100	1 : 200	1 : 250	1 : 300	1 : 400	1 : 500 metres
1314/3	Length 12 in. (30 cm)	1 : 20	1 : 25	1 : 50	1 : 75	1 : 100	1 : 125 metres
1314/4	Length 12 in. (30 cm)	1 : 2.5	1 : 5	1 : 10	1 : 20	1 : 50	1 : 100 metres
1314/5	Length 12 in. (30 cm)	1 : 20	1 : 25	1 : 33 1/3	1 : 50	1 : 75	1 : 100 metres
1314/6	Length 12 in. (30 cm)	1 : 500	1 : 1000	1 : 2000	1 : 2500	1 : 1440	1 : 2880
ARISTO 1314A	Length 12 in. (30 cm)	3/32, 3/16, 1/8, 1/4, 3/4, 3/8, 1/2, 1, 1 1/2, 3 in. to the foot; 1/16 in.					
1314B	Length 12 in. (30 cm)	10, 20, 30, 40, 50, 60 parts to the inch					

ARISTO POCKET SCALE



1317/1



1317/4

Two bevels, white ARISTOPAL
Length 4 in. (10 cm) Weight 10 g

	Graduation	
ARISTO 1317/1	1 mm	1 mm
1317/2	1 mm	1/2 mm
1317/3	1 mm	1/32 in.
1317/4	1 : 1	1 : 250 metres
1317/5	1 : 1	1 : 500 metres

With your own advertising text an appreciated gift.

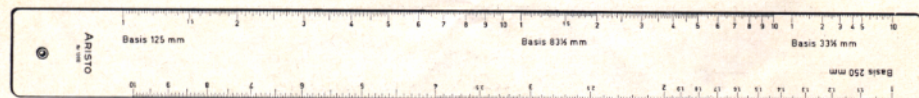
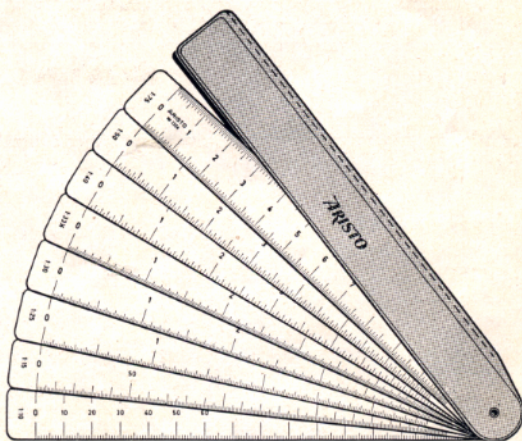
ARISTO SCALE SET

Fan-shaped, white ARISTOPAL
In Leather Case

Length 6 in. (15 cm). Weight 30 g
Each blade 0.5 mm in thickness

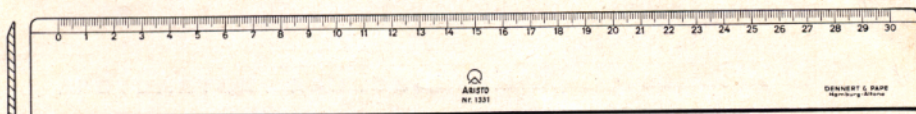
ARISTO Graduation

1323	1 : 10	1 : 15	1 : 20
	1 : 25	1 : 30	1 : 33 1/3
	1 : 40	1 : 50	1 : 75
	1 : 125		
1324	1 : 10	1 : 15	1 : 25
	1 : 30	1 : 33 1/3	1 : 40
	1 : 50	1 : 75	



1300 **ARISTO Logarithmic Scale** contains eight graduations of unit length 33 1/3, 50, 83 1/3, 100, 125, 150, 200, and 250 mm. White ARISTOPAL. Length 12 in. (30 cm). Weight 20 g.

ARISTO SCALE One bevel, graduation in millimetres on underside and inlaid in black. Shaped from crystal-clear ARISTOPAL, thickness 2 mm.



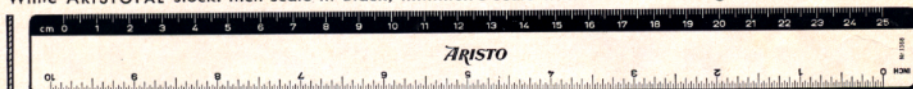
ARISTO 1330	Length 6 in. (15 cm)	Weight 10 g	} Thickness 2 mm
1331	Length 12 in. (30 cm)	Weight 35 g	
1334	Length 16 in. (40 cm)	Weight 55 g	
1332	Length 20 in. (50 cm)	Weight 75 g	

Same as above, but shaped from white ARISTOPAL. Millimetre graduation inlaid in red. An excellent rule for school use.

ARISTO 1333	Length 8 in. (20 cm)	Weight 20 g	Thickness 2 mm
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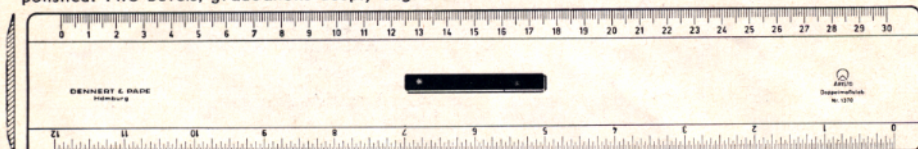
ARISTO SCALE

White ARISTOPAL stock. Inch scale in black, millimetre scale white on black background.



ARISTO 1368	Length 10 in. (25 cm)	Weight 10 g	Thickness 0.7 mm
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ARISTO SCALE De Luxe model, shaped from crystal-clear ARISTOPAL. All surfaces high-gloss polished. Two bevels, graduations deeply engraved on underside and inlaid in black.



ARISTO 1370/2	1 mm $\frac{1}{2}$ mm	} Length 12 in. (30 cm)	Weight 75 g	Thickness 3 mm
1370/3	1 mm $\frac{1}{32}$ in.			

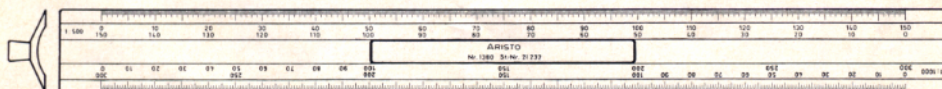
ARISTO SCALE White ARISTOPAL stock. Inch and millimetre scale inlaid in black.



ARISTO 1375	Length 12 in. (30 cm)	Weight 20 g	Thickness 1 mm
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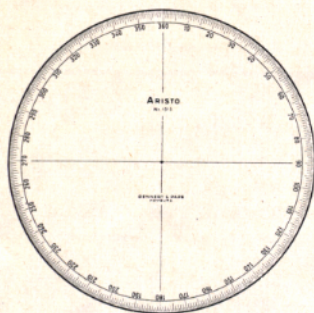
ARISTO METAL SCALE

Two bevels, with handle, German silver. Marking of numbers in two colours on inlaid white ARISTOPAL.

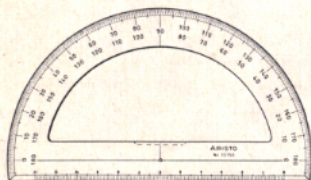


ARISTO 1380/1	Length 12 in. (30 cm)	$\frac{1}{2}$ mm	1 mm	Weight 200 g
1380/2	Length 12 in. (30 cm)	1 : 500	1 : 1000	Weight 200 g
1380/3	Length 12 in. (30 cm)	1 : 1000	1 : 2000	Weight 200 g
1381	Length 20 in. (50 cm)	$\frac{1}{2}$ mm	1 mm	Weight 350 g

ARISTO PROTRACTORS are fashioned from transparent stock of superb clarity and contain precision scales. They are quality tools and, therefore, not comparable with the general run of cheap makes. Accurate reading is assured through graduations being engraved on the underside.



1515/2



15150/2

ARISTO CIRCULAR PROTRACTORS

ARISTO 1512/4 Graduation $400^{\circ}-\frac{1}{2}^{\circ}$ $4\frac{3}{4}$ in. (120 mm) dia.
1512/5 Graduation $360^{\circ}-\frac{1}{2}^{\circ}$ $4\frac{3}{4}$ in. (120 mm) dia.
Transparent ARISTOPAL without bevel Weight 20 g

ARISTO 1515/2 Graduation $360^{\circ}-\frac{1}{2}^{\circ}$ 6 in. (150 mm) dia.
1515/4 Graduation $400^{\circ}-\frac{1}{2}^{\circ}$ 6 in. (150 mm) dia.
Crystal-clear ARISTOPAL with bevel Weight 45 g

ARISTO 1520/2 Graduation $360^{\circ}-\frac{1}{2}^{\circ}$ 8 in. (200 mm) dia.
1520/4 Graduation $400^{\circ}-\frac{1}{2}^{\circ}$ 8 in. (200 mm) dia.
Crystal-clear ARISTOPAL with bevel Weight 75 g

ARISTO SEMI-CIRCULAR PROTRACTORS

ARISTO 15150/2 Graduation $360^{\circ}-\frac{1}{2}^{\circ}$ 6 in. (150 mm) dia.
15150/4 Graduation $400^{\circ}-\frac{1}{2}^{\circ}$ 6 in. (150 mm) dia.
Crystal-clear ARISTOPAL with bevel Weight 15 g

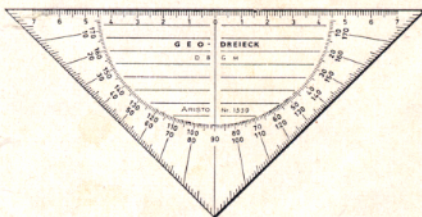
ARISTO 15200/2 Graduation $360^{\circ}-\frac{1}{2}^{\circ}$ 8 in. (200 mm) dia.
15200/4 Graduation $400^{\circ}-\frac{1}{2}^{\circ}$ 8 in. (200 mm) dia.
Crystal-clear ARISTOPAL with bevel Weight 25 g

ARISTO Protractor Set Square

A universal instrument for school use:
Set Square, Protractor and Scale combined in one.

1550 Sides $4\frac{3}{4}$ in. (115 mm) long, transparent ARISTOPAL, 1 mm thick. Weight 10 g.

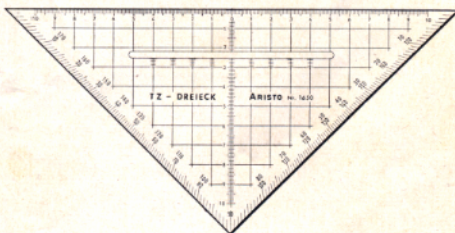
1550W Same as 1550 but for demonstration on the blackboard. Sides $16\frac{1}{2}$ in. (42 cm) long. Weight 300 g



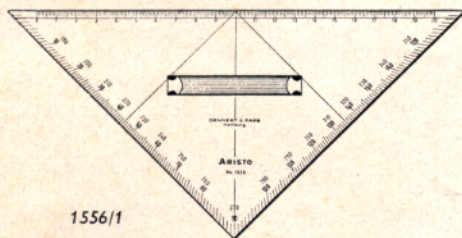
1650

ARISTO Sketching Triangle

This handy plotting triangle is a combination of scale, protractor, centimetre-grid net and drafting square. All graduations inlaid in black. Sides $6\frac{1}{4}$ in. (160 mm) long. Crystal-clear ARISTOPAL 1.5 mm thick. Weight 25 g



ARISTO NAVIGATION PROTRACTORS (Vector Rulers) combine the functions of drafting set square, measuring rule and protractor. They can even be used as polar cartographer. They are extremely handy for laying-off and measuring angles and vectors to given straight lines.



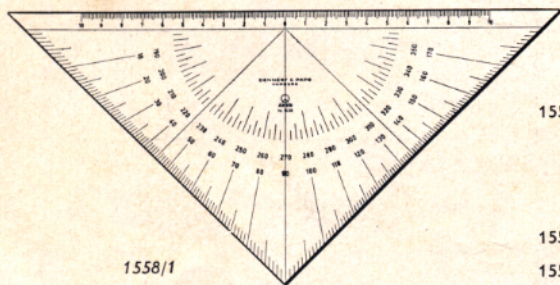
1556/1

1556/1 Sides $6\frac{1}{4}$ in. (16 cm) long. Hypotenuse with bevelled edge and millimetre scale. Two-colour graduation in 360° . Crystal-clear ARISTOPAL 1.5 mm thick, wooden handle. Weight 35 g.

1556/2 Same as 1556/1, but graduated to 400° .

1556/3 Same as 1556/1, but with circle graduation on white backing.

1556 Z Same as 1556/1, but with $\frac{1}{32}$ in. scale.

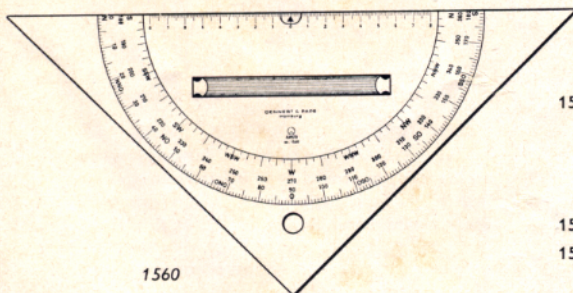


1558/1

1558/1 Sides $7\frac{1}{2}$ in. (19 cm) long. Hypotenuse with millimetre scale. Uni-coloured graduation in 360° and compass points. Crystal-clear ARISTOPAL, 2 mm thick, without handle. Weight 50 g.

1558/2 Same as 1558/1, but with handle.

1558 Z Same as 1558/1, but with $\frac{1}{32}$ in. scale.



1560

1560 Sides 9 in. (23 cm) long. Hypotenuse with millimetre scale. Two-colour graduation in 360° and compass points sheltered in recessed panel, inlaid in white. Crystal-clear ARISTOPAL 3 mm thick, wooden handle. Weight 100 g.

1560 Z Same as 1560, but with $\frac{1}{32}$ in. scale.

1553 **ARISTO SET SQUARE**
Same as 1560, but without any graduation.

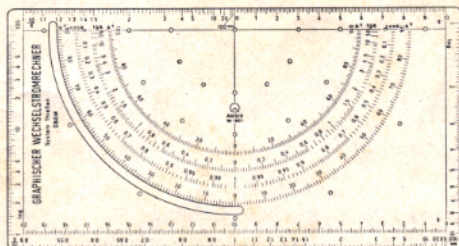
1801

ARISTO Graphic AC-Computer

An all-round aid for graphic solutions of electrical engineering problems.

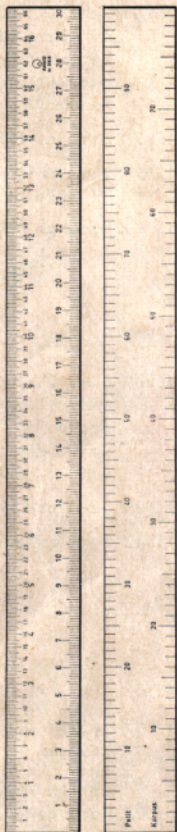
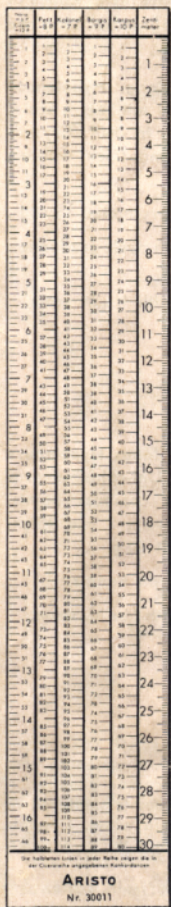
Transparent ARISTOPAL
 $4\frac{1}{2} \times 8\frac{1}{2}$ in. (115 x 215 mm). Weight 40 g.

Circular graduations: degrees, grades, cosine and tangent. Linear, reciprocal and logarithmic scales on the edges.



30011

30010



ARISTO TYPOMETER SCALES

No.	30010	30011	30012
Length	12 in. 30 cm	12 in. 30 cm	10 in. 26 cm
Graduation	millimetres 6, 8, 10 and 12 points	millimetres 6, 7, 8, 9, 10 and 12 points	
Material	White ARISTOPAL	Transparent ARISTOPAL	
Weight	12 g	15 g	12 g

As our ARISTO Slide Rules and Instruments are permanently improved and further developed the illustrations and descriptions in this catalogue are not always binding.

ARISTO Products are distributed by:

We also manufacture: ARISTO Planimeters • ARISTO Pantographs • ARISTO Coordinatographs
ARISTO Cartographic Instruments • ARISTO Theodolites • ARISTO Levels • ARISTO Surveying Equipment